

SEQUENCE LISTING

<110> Affolter et al.

<120> EXPRESSION OF PROTEOLYTIC ENZYMES IN KOJI MOLD IN THE PRESENCE OF CARBON SOURCES

<130> 112843-029

<140> US 09/936,367

<141> 2001-09-11

<150> 99 104 923.0

<151> 1999-03-11

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<170> PatentIn version 3.2

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<212> DNA

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<400> 2

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Pro | Pro | Pro | Ala | Ser | Ser | Val | Asp | Phe | Thr | Asn | Leu | Leu | Asn | Pro |
| 1 | | | | | 5 | | | | 10 | | | | 15 | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gln | Asn | Asn | Glu | Thr | Gly | Ser | Ala | Pro | Ser | Thr | Pro | Val | Asp | Ser | Ser |
| | | | | | | | | 20 | | | 25 | | | 30 | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Ala | Pro | Ser | Thr | Pro | Ser | Ser | Thr | Gln | Ser | Asn | Ser | Thr | Met | Ala |
| | | | | | | | | | 35 | | 40 | | 45 | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ser | Ser | Val | Ser | Leu | Leu | Pro | Pro | Leu | Met | Lys | Gly | Ala | Arg | Pro | Ala |
| | | | | | | 50 | | 55 | | 60 | | | | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Thr | Glu | Glu | Ala | Arg | Gln | Asp | Leu | Pro | Arg | Pro | Tyr | Lys | Cys | Pro | Leu |
| | | | | | 65 | | 70 | | 75 | | 80 | | | | |

Cys Asp Arg Ala Phe His Arg Leu Glu His Gln Thr Arg His Ile Arg
85 90 95

Thr His Thr Gly Glu Lys Pro His Ala Cys Gln Phe Pro Gly Cys Thr
100 105 110

Lys Arg Phe Ser Arg Ser Asp Glu Leu Thr Arg His Ser Arg Ile His
115 120 125

Asn Asn Pro Asn Ser Arg Arg Ser Asn Lys Ala His Leu Ala Ala Ala
130 135 140

Ala Ala Ala Ala Ala Gly Gln Gly Gln Glu Asn Ala Met Val Asn
145 150 155 160

Val Thr Asn Ala Gly Ser Leu Met Pro Pro Pro Thr Lys Pro Met Thr
165 170 175

Arg Ser Ala Pro Val Ser Gln Val Gly Ser Pro Asp Val Ser Pro Pro
180 185 190

His Ser Phe Ser Asn Tyr Ala Gly His Met Arg Ser Asn Leu Gly Pro
195 200 205

Tyr Ala Arg Asn Thr Glu Arg Ala Ser Ser Gly Met Asp Ile Asn Leu
210 215 220

Leu Ala Thr Ala Ala Ser Gln Val Glu Arg Asp Glu Gln His Phe Gly
225 230 235 240

Phe His Ala Gly Pro Arg Asn His His Leu Phe Ala Ser Arg His His
245 250 255

Thr Gly Arg Gly Leu Pro Ser Leu Ser Ala Tyr Ala Ile Ser His Ser
260 265 270

Met Ser Arg Ser His Phe His Glu Asp Glu Asp Gly Tyr Thr His Arg
275 280 285

Val Lys Arg Ser Arg Pro Asn Ser Pro Asn Ser Thr Ala Pro Ser Ser
290 295 300

Pro Thr Phe Ser His Asp Ser Leu Ser Pro Thr Pro Asp His Thr Pro
305 310 315 320

Leu Ala Thr Pro Ala His Ser Pro Arg Leu Arg Ser Leu Gly Ser Ser
325 330 335

Glu Leu His Leu Pro Ser Ile Arg His Leu Ser Leu His His Thr Pro
340 345 350

Ala Leu Ala Pro Met Glu Pro Gln Pro Glu Gly Pro Asn Tyr Tyr Ser
355 360 365

Pro Ser Gln Ser His Gly Pro Thr Ile Ser Asp Ile Met Ser Arg Pro
370 375 380

Asp Gly Thr Gln Arg Lys Leu Pro Val Pro Gln Val Pro Lys Val Ala
385 390 395 400

Val Gln Asp Met Leu Asn Pro Ser Ala Gly Phe Ser Ser Val Ser Ser
405 410 415

Ser Thr Asn Asn Ser Val Ala Gly Asn Asp Leu Ala Glu Arg Phe
420 425 430